



## ABSTRACT

A method for creating DNA libraries from DNAs having different sequences is described that comprises treatment of a first DNA with an exonuclease and a recombination factor to form single stranded regions having random sizes. The single stranded regions are incubated with a second double stranded DNA to form three stranded crossover junctions. Three stranded junctions are treated with a helicase to form Holliday junctions that are resolved by an endonuclease to form a library.